DOE F 1325.8
(8-89)
EFG (07-90)

US. 8-1

Weston

United States Government

Department of Energy

FUSRAP 7608 (116.8)
1.21.1

memorandum

DATE: AUG 12 1991

REPLY TO ATTN OF: EM-421 (J. Wagoner, 3-8147)

SUBJECT: Elimination of the Metcut Research Site

TO: The File

I have reviewed the attached site summary and elimination recommendation for the Metcut Research Site. I have determined that there is little likelihood of radioactive contamination at this site.

Based on the above, the Metcut Research Site is hereby eliminated from further consideration under the Formerly Utilized Sites Remedial Action Program.

W. Alexander Williams, PhD
Designation and Certification Manager
Off-Site Branch
Division of Eastern Area Programs
Office of Environmental Restoration

Attachment

FILE CO

bcc:
Weston
EM-40 (2)
EM-42 (3)
Williams Reader

EM-421:wagoner:djn:353-8147:8/12/91:elim.waw

P. Hevner Review: _____

Williams
EM-421
8/12/91

Wagoner
EM-421
8/12/91

OTS NOTE

DATE: July 15, 1991

TO: Alexander Williams

FROM: Dan Stout DS

SUBJECT: Metcut Research Elimination Recommendation

The attached memorandum and supporting documents are the basis for our recommendation to eliminate the Metcut Research site from further consideration under FUSRAP.

No documents have been discovered to date which specifically indicate use or handling of radioactive material by Metcut research. The principal record discovered is a June 1952 monthly progress report from the Feed Materials Production Center (FMPC) which discusses a trip to Metcut Research "in conjunction with the machining development program." The records search did not locate any documents indicating subsequent visits to Metcut or any handling/machining of any materials.

Since there is no specific evidence of involvement with radioactive material, the potential for residual radioactive contamination in excess of current DOE guidelines is considered highly unlikely. Therefore, we recommend that this site be eliminated from further consideration as a candidate for remedial action under FUSRAP and be removed from the FUSRAP considered sites list.

cc: C. Young
E. Mitchell
file FUSRAP OH.0

MEMORANDUM

TO: FILE, OH.O DATE 6/24/91

FROM: D. Stout

SUBJECT: Elimination Recommendation For Metcut Research

SITE NAME: Metcut Research ALTERNATE NAME: _____

CITY: _____ STATE: _____

OWNER(S)

Past: unknown Current: _____

Owner contacted ☐ yes ☒ no; if yes, date contacted _____

TYPE OF OPERATION

☒ Research & Development

- ☐ Production scale testing
- ☐ Pilot Scale
- ☐ Bench Scale Process
- ☐ Theoretical Studies
- ☐ Sample & Analysis

☐ Facility Type

- ☐ Manufacturing
- ☐ University
- ☐ Research Organization
- ☐ Government Sponsored Facility
- ☐ Other _____

☐ Production

☐ Disposal/Storage

TYPE OF CONTRACT

- ☐ Prime
- ☐ Subcontractor
- ☐ Purchase Order

☐ Other information (i.e., cost + fixed fee, unit price, time & material, etc) _____

Contract/Purchase Order # none located

CONTRACTING PERIOD: _____

OWNERSHIP:

	AEC/MED OWNED	AEC/MED LEASED	GOVT OWNED	GOVT LEASED	CONTRACTOR OWNED	CONTRACTOR LEASED
LANDS	☐	☐	☐	☐	☐	☐
BUILDINGS	☐	☐	☐	☐	☐	☐
EQUIPMENT	☐	☐	☐	☐	☐	☐
ORE OR RAW MATL	☐	☐	☐	☐	☐	☐
FINAL PRODUCT	☐	☐	☐	☐	☐	☐
WASTE & RESIDUE	☐	☐	☐	☐	☐	☐

unknown

AEC/MED INVOLVEMENT AT SITE

Control

- ☐ AEC/MED managed operations
- ☐ AEC/MED responsible for accountability
- ☐ AEC/MED overviewed operations
- ☐ Contractor had total control
- ☑ unknown

- ☐ Health Physics Protection
  - ☐ Little or None
  - ☐ AEC/MED responsibility
  - ☐ Contractor responsibility

MATERIALS HANDLED:

Type (on basis of records reviewed)

- ☑ No Radioactive
- ☐ Natural Radioactive from Feed Materials Production
  - ☐ Ore
  - ☐ Refined Source Material
  - ☐ Residue
- ☐ Natural Radioactive Material from Non-Nuclear Activities
- ☐ Man-Made
- ☐ Other_____

Comment_____

_____

Quantities (on the basis of records reviewed)

- ☑ None
- ☐ Production Quantities
- ☐ Small Amounts

Comment_____

_____

OTHER PERTINENT FACTS:

- ☐ Facility was Licensed
  - ☐ During AEC/MED-Related Operations
  - ☐ For Similar Activities
  - ☐ For Other Activities

  Comment_____

  _____
- ☐ Commercial Production Involving Radioactive Material during AEC/MED Operations
- ☐ Facility was Decontaminated and Released
  - ☐ Availability of Close Out Records
    - ☐ None
    - ☐ Some
    - ☐ Sufficient
- ☐ Radioactive Status:

	YES	MAYBE	PROBABLY NOT	NOT
Contaminated	___	___	___	X
Potential for Exposure (accessible)	___	___	___	X

QUANTITY OF RECORDS AVAILABLE:

☒ Very Little ☐ Some ☐ Sufficient

PROBABILITY OF FINDING ADDITIONAL RECORDS:

☒ Low ☐ Possible ☐ High

RECOMMENDATIONS:

☒ Eliminate
☐ Consider for Remedial Action
☐ Collect More Data

Comment No evidence that radioactive materials were handled

REFERENCES: - Excerpt from FMPC monthly progress report for June 1952.

SUMMARY The available record suggests site was visited to assess company capabilities. No other evidence of visits, subcontracts, or handling of any materials.

MONTHLY REPORT

PRODUCTION DIVISION

JUNE 30, 1952

As Submitted to Dr. Slesser

II. PRODUCTION

A. Uranium Fabrication

Feed Materials Production Center

Metallurgical Control and Development

Development activities of the FMPC metallurgical group were extende with primary emphasis placed on slug machining problems and the study of rolling seams. The problem of specifying the finished diameter of SRDO rod as produced at Bethlehem is under study. This finished diameter should include sufficient allowance for the removal of metal to produce a 1" slug completely free of seams.

Visits ~~have been~~ made by FMPC representatives were made during the month to Metcut Research, Purdue University, Cincinnati Milling Machine Company in conjunction with the machining development program. A study has been conducted on Firth Sterling HF carbide profile inserts. Some of these inserts were ground by Tech-Art in Milford, Ohio, and others by Abaugh Craft Shop in Oxford, Ohio. Slugs machined by each of these inserts were labelled and the resultant threads photographed. Profiles of some of the inserts after use were also photographed for comparison with threads machined on the slugs.

Service activities included evaluations of slugs produced under differen conditions, ingots and experimental rollings. Studies involving the occurrence of striations and inclusions indicate that nitride concentration is related to striation concentration. Standard inclusion charts have been prepared and a revised edition of Inspection Standards has been completed and submitted for discussion.

A statistical summary of slugs currently being produced was completed and presented at the Metal Coordination Meeting held with Du Pont on June 1

Rolling

SRP rods have not been produced due to loss of facilities caused by steel strike.

HW rods are being produced according to schedule at Simonds Saw and Steel Company.